

## PALLADIUM COMPLEXES FOR PRINTING CIRCUITS

## ABSTRACT OF THE DISCLOSURE

5           An ink-jetable composition including a palladium aliphatic amine complex solvated in a liquid vehicle can be used in formation of electronic devices. The ink-jetable composition containing a palladium aliphatic amine complex can be jetted onto a substrate in a predetermined pattern. A second composition can also be applied to the substrate using ink-jet printing or other printing techniques,  
10   wherein the second composition is applied onto at least a portion of the predetermined pattern. The second composition can include a reducing agent which is capable of reducing the palladium aliphatic amine complex to palladium metal, typically upon the application of heat. The described ink-jetable palladium complex compositions can be stable over a wide range of conditions and allow  
15   for the formation electronic devices on a variety of substrates.